

POLYMORPHIC CODEC SYSTEM AND METHOD

Abstract of the Disclosure

An input module obtains a media signal to be communicated to a destination system, after which an identification module identifies a plurality of scenes within the media signal. A codec includes a selection module that automatically selects different compression methods to respectively compress at least two of the scenes. The compression methods are automatically selected to produce a highest compression quality for the respective scenes according to a set of criteria without exceeding a target data rate. A compression module within the codec then compresses the scenes using the automatically-selected compression methods, after which an output module delivers the compressed scenes to the destination system with an indication of which compression method was used to compress each scene.